Rebecca J. Dulin
Senior Counsel

Duke Energy
1201 Main Street
Capital Center Building
Suite 1180
Columbia, SC 29201

o: 803.988.7130
f: 803.988.7123
Rebecca.Dulin@duke-energy.com

February 27, 2019

VIA ELECTRONIC FILING

The Honorable Jocelyn G. Boyd
Chief Clerk/Administrator
Public Service Commission of South Carolina
101 Executive Center Drive, Suite 100
Columbia, South Carolina 29210

Re: **Duke Energy Progress, LLC – Monthly Fuel Report**
Docket No. 2006-176-E

Dear Ms. Boyd:

Pursuant to the Commission's Orders in Docket No. 1977-354-E, enclosed for filing is Duke Energy Progress, LLC's Monthly Fuel Report in Docket No. 2006-176-E for the month of January 2019.

Should you have any questions regarding this matter, please do not hesitate to contact me at 803-988-7130.

Sincerely,

Rebecca J. Dulin

Enclosure

cc: Service List

Duke Energy Progress
Summary of Monthly Fuel Report

Schedule 1

Line No.	Item	January 2019
1	Fuel and Fuel-related Costs excluding DERP incremental costs	$ 157,891,012
	MWH sales:	
2	Total System Sales	5,991,325
3	Less intersystem sales	375,335
4	Total sales less intersystem sales	5,615,990
5	Total fuel and fuel-related costs (¢/KWH) (Line 1/Line 4)	2.8115
6	Current fuel & fuel-related cost component (¢/KWH) (per Schedule 4)	2.6750
	Generation Mix (MWH):	
	Fossil (By Primary Fuel Type):	
7	Coal	909,194
8	Oil	18,025
9	Natural Gas - Combustion Turbine	115,093
10	Natural Gas - Combined Cycle	1,678,388
11	Biogas	435
12	Total Fossil	2,721,135
13	Nuclear	2,694,099
14	Hydro - Conventional	90,386
15	Solar Distributed Generation	14,248
16	Total MWH generation	5,519,868

Note: Detail amounts may not add to totals shown due to rounding.

Schedule 2

Duke Energy Progress
Details of Fuel and Fuel-Related Costs

Description		January 2019
Fuel and Fuel-Related Costs:		
Steam Generation - Account 501		
0501110 coal consumed - steam	$	37,139,667
0501310 fuel oil consumed - steam		1,503,708
Total Steam Generation - Account 501		38,643,375
Nuclear Generation - Account 518		
0518100 burnup of owned fuel		16,837,287
Other Generation - Account 547		
0547000 natural gas consumed - Combustion Turbine		4,717,895
0547000 natural gas capacity - Combustion Turbine		601,674
0547000 natural gas consumed - Combined Cycle		54,313,321
0547000 natural gas capacity - Combined Cycle		9,911,677
0547106 biogas consumed - Combined Cycle		16,858
0547200 fuel oil consumed		2,222,041
Total Other Generation - Account 547		71,783,466
Purchased Power and Net Interchange - Account 555		
Fuel and fuel-related component of purchased power		36,274,358
Fuel and fuel-related component of DERP purchases		(13,623)
PURPA purchased power capacity		4,233,736
DERP purchased power capacity		(20,074)
Total Purchased Power and Net Interchange - Account 555		40,474,397
Less:		
Fuel and fuel-related costs recovered through intersystem sales		11,794,993
Solar Integration Charge		2,104
Total Fuel Credits - Accounts 447/456		11,797,097
Total Costs Included in Base Fuel Component	$	155,941,428
Environmental Costs		
0509030, 0509212, 0557451 emission allowance expense	$	-
0502020, 0502030, 0502040, 0502080, 0502090, 0548020 reagents expense		2,028,239
Emission Allowance Gains		-
Less reagents expense recovered through intersystem sales - Account 447		56,356
Less emissions expense recovered through intersystem sales - Account 447		22,299
Total Costs Included in Environmental Component		1,949,584
Fuel and Fuel-related Costs excluding DERP incremental costs	$	157,891,012
DERP Incremental Costs		333,145
Total Fuel and Fuel-related Costs	$	158,224,157

Notes: Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY PROGRESS
PURCHASED POWER AND INTERCHANGE
SOUTH CAROLINA

JANUARY 2019

Purchased Power	Total	Capacity	Non-capacity		
Marketers, Utilities, Other	$	$	mWh	Fuel $	Non-fuel $
Broad River Energy, LLC.	$ 3,635,580	$ 2,382,506	13,298	$ 1,253,074	-
City of Fayetteville	1,081,112	1,061,775	277	19,337	-
Haywood EMC	28,300	28,300	-	-	-
NCEMC	4,859,465	4,328,745	8,880	530,720	-
PJM Interconnection, LLC.	1,835,106	-	58,333	1,835,106	-
Southern Company Services	5,222,047	1,719,900	104,553	3,502,147	-
DE Carolinas - Native Load Transfer	11,236,941	-	334,987	11,236,941	-
DE Carolinas - Native Load Transfer Benefit	1,176,832	-	-	1,176,832	-
Energy Imbalance	18,595		507	18,009	$ 586
Generation Imbalance	2,256		86	1,376	880
	$ 29,096,234	**$ 9,521,226**	**520,921**	**$ 19,573,542**	**$ 1,466**
Act 236 PURPA Purchases					
Renewable Energy	$ 13,074,553	-	186,367	$ 13,074,553	-
DERP Qualifying Facilities	(33,698)	-	437	(33,698)	-
Other Qualifying Facilities	7,860,000	-	128,482	7,860,000	-
	$ 20,900,855	**$ -**	**315,286**	**$ 20,900,855**	**$ -**
Total Purchased Power	**$ 49,997,089**	**$ 9,521,226**	**836,207**	**$ 40,474,397**	**$ 1,466**

NOTE: Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY PROGRESS
INTERSYSTEM SALES*
SOUTH CAROLINA

JANUARY 2019

	Total	Capacity	Non-capacity		
Sales	$	$	mWh	Fuel $	Non-fuel $
Market Based:					
NCEMC Purchase Power Agreement	$ 893,307	$ 652,500	6,542	$ 270,968	$ (30,161)
PJM Interconnection, LLC.	(1,106)	-	-	-	(1,106)
Other:					
DE Carolinas - Native Load Transfer Benefit	1,424,211	-	-	1,424,211	-
DE Carolinas - Native Load Transfer	10,478,786	-	368,786	10,178,469	300,317
Generation Imbalance	(157)	-	7	-	(157)
Total Intersystem Sales	**$ 12,795,041**	**$ 652,500**	**375,335**	**$ 11,873,648**	**$ 268,893**

* Sales for resale other than native load priority.

NOTE: Detail amounts may not add to totals shown due to rounding.

Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
January 2019

Line No.			Total Residential	General Service Non-Demand	Demand	Lighting	Total
1	Actual System kWh sales	Input					5,615,989,658
2	DERP Net Metered kWh generation	Input					2,330,897
3	Adjusted System kWh sales	L1 + L2					5,618,320,555
4	Actual S.C. Retail kWh sales	Input	199,934,867	24,649,561	374,112,999	6,581,684	605,279,111
5	DERP Net Metered kWh generation	Input	871,283	25,944	1,433,669		2,330,897
6	Adjusted S.C. Retail kWh sales	L4 + L5	200,806,150	24,675,505	375,546,668	6,581,684	607,610,008
7	Actual S.C. Demand units (kw)	L32 / 31b *100			409,400		
Base fuel component of recovery - non-capacity							
8	Incurred System base fuel - non-capacity expense	Input					$141,228,040
9	Eliminate avoided fuel benefit of S.C. net metering	Input					$74,728
10	Adjusted Incurred System base fuel - non-capacity expense	L8 + L9					$141,302,768
11	Adjusted Incurred System base fuel - non-capacity rate (¢/kWh)	L10 / L3 * 100					2.515
12	S.C. Retail portion of adjusted incurred system expense	L6 * L11 / 100	$5,050,346	$620,598	$9,445,133	$165,532	$15,281,609
13	Assign 100 % of Avoided Fuel Benefit of S.C net metering	Input	($44,174)	($4,081)	($26,473)	$0	($74,728)
14	S.C. Retail portion of incurred system expense	L12 + L13	$5,006,172	$616,517	$9,418,660	$165,532	$15,206,881
15	Billed base fuel - non-capacity rate (¢/kWh) - Note 1	Input	2.367	2.366	2.366	2.366	2.366
16	Billed base fuel - non-capacity revenue	L4 * L15 /100	$4,733,240	$583,209	$8,851,514	$155,723	$14,323,686
17	DERP NEM incentive - fuel component	Input	($11,853)	($1,095)	($7,103)	$0	($20,051)
18	Adjusted S.C. billed base fuel - non-capacity revenue	L16 + L17	$4,721,387	$582,114	$8,844,411	$155,723	$14,303,635
19	S.C. base fuel - non-capacity (over)/under recovery [See footnote]	L18 - L14	$284,785	$34,403	$574,249	$9,809	$903,246
20	Adjustment	Input					
21	Total S.C. base fuel - non-capacity (over)/under recovery [See footnote]	L19 + L20	$284,785	$34,403	$574,249	$9,809	$903,246
Base fuel component of recovery - capacity							
22a	Incurred base fuel - capacity rates by class (¢/kWh)	L23 / L4 * 100	0.484	0.410			
22b	Incurred base fuel - capacity rate (¢/kW)	L23 / L7 * 100			127		
23	Incurred S.C. base fuel - capacity expense	Input	$968,070	$101,172	$520,167		$1,589,409
24a	Billed base fuel - capacity rates by class (¢/kWh)	Input	0.676	0.426			
24b	Billed base fuel - capacity rate (¢/kW)	Input			88		
25	Billed S.C. base fuel - capacity revenue	L24a * L4 /100	$1,352,070	$105,007	$ 360,301	$0	$1,817,378
26	S.C. base fuel - capacity (over)/under recovery [See footnote]	L25 - L23	($384,000)	($3,835)	$159,866	$0	($227,969)
27	Adjustment	Input	$0	$0	$0	$0	$0
28	Total S.C. base fuel - capacity (over)/under recovery [See footnote]	L26 + L27	($384,000)	($3,835)	$159,866	$0	($227,969)
Environmental component of recovery							
29a	Incurred environmental rates by class (¢/kWh)	L30 / L4 * 100	0.064	0.054			
29b	Incurred environmental rate (¢/kW)	L30 / L7 * 100			17		
30	Incurred S.C. environmental expense	Input	$127,980	$13,375	$68,767		$210,122
31a	Billed environmental rates by class (¢/kWh)	Input	0.019	0.008			
31b	Billed environmental rate (¢/kW)	Input			1		
32	Billed S.C. environmental revenue	L31a * L4 /100	$37,723	$1,972	$ 4,094		$43,789
33	S.C. environmental (over)/under recovery [See footnote]	L32 - L30	$90,257	$11,403	$64,673	$0	$166,333
34	Adjustment	Input					$0
35	Total S.C. environmental (over)/under recovery [See footnote]	L33 + L34	$90,257	$11,403	$64,673	$0	$166,333
Distributed Energy Resource Program component of recovery: avoided costs							
36a	Incurred S.C. DERP avoided cost rates by class (¢/kWh)	L37 / L4 * 100	0.001	0.001			
36b	Incurred S.C. DERP avoided cost rates by class (¢/kW)	L37 / L7 * 100			0.197		
37	Incurred S.C. DERP avoided cost expense	Input	$1,503	$157	$808		$2,468
38a	Billed S.C. DERP avoided cost rates by class (¢/kWh)	Input	0.003	0.001			
38b	Billed S.C. DERP avoided cost rates by class (¢/kW)	Input			0.000		
39	Billed S.C. DERP avoided cost revenue	L38a * L4 /100	$5,956	$246	$0		$6,202
40	S.C. DERP avoided cost (over)/under recovery [See footnote]	L39 - L37	($4,453)	($89)	$808	$0	($3,734)
41	Adjustment	Input	($3,359)	($310)	($2,013)	$0	($5,682)
42	Total S.C. DERP avoided cost (over)/under recovery [See footnote]	L40 + L41	($7,812)	($399)	($1,205)	$0	($9,416)
43	Total (over)/under recovery [See footnote]	L21 + L28 + L35 + L42	($16,770)	$41,572	$797,583	$9,809	$832,194

Year 2018-2019

Cumulative (over) / under recovery - BASE FUEL NON-CAPACITY	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2018	$23,394,223					
March 2018 - actual	23,722,902	$105,966	$14,137	$203,204	$5,372	$328,679
April 2018 - actual	23,109,195	(170,943)	(23,111)	(411,945)	(7,708)	(613,707)
May 2018 - actual	23,830,285	191,924	30,025	488,780	10,361	721,090
June 2018 - actual	25,124,368	428,696	63,626	785,404	16,357	1,294,083
July 2018 - actual	24,946,484	(67,321)	(9,747)	(99,157)	(1,659)	(177,884)
August 2018 - actual	24,050,415	(311,321)	(46,740)	(528,335)	(9,673)	(896,069)
September 2018 - actual	24,878,029	299,793	45,472	471,998	10,351	827,614
October 2018 - actual	21,969,123	(837,198)	(131,238)	(1,906,421)	(34,049)	(2,908,906)
November 2018 - actual	21,874,458	(35,810)	(9,976)	(47,667)	(1,212)	(94,665)
December 2018 - actual	22,072,704	72,321	(1,648)	124,688	2,885	198,246
January 2019 - actual	22,975,950	284,785	34,403	574,249	9,809	903,246
_/2 February 2019 - forecast	21,517,411	(581,562)	(61,606)	(796,238)	(19,133)	(1,458,539)
_/2 March 2019 - forecast	19,610,997	(709,744)	(86,270)	(1,084,341)	(26,059)	(1,906,414)
_/2 April 2019 - forecast	16,017,310	(1,150,562)	(178,242)	(2,212,046)	(52,837)	(3,593,687)
_/2 May 2019 - forecast\	13,882,629	(602,133)	(112,282)	(1,387,182)	(33,084)	(2,134,681)
_/2 June 2019 - forecast	$12,635,077	($400,984)	($62,211)	($766,130)	($18,227)	($1,247,552)

Year 2018-2019

Cumulative (over) / under recovery - BASE FUEL CAPACITY	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2018	$1,622,067					
March 2018 - actual	1,523,528	$79,187	($398)	($177,328)	$0	($98,539)
April 2018 - actual	2,089,902	479,717	34,630	52,027	0	566,374
May 2018 - actual	2,445,242	379,717	16,470	(40,847)	0	355,340
June 2018 - actual	2,666,876	217,876	(2,152)	5,910	0	221,634
July 2018 - actual	2,857,544	88,083	(5,454)	108,039	0	190,668
August 2018 - actual	2,709,391	(174,287)	(21,437)	47,571	0	(148,153)
September 2018 - actual	2,361,078	(199,912)	(23,546)	(124,855)	0	(348,313)
October 2018 - actual	1,891,426	(303,466)	(34,886)	(131,300)	0	(469,652)
November 2018 - actual	1,846,089	47,213	(95,245)	2,695	0	(45,337)
December 2018 - actual	1,234,990	(556,097)	61,633	(116,635)	0	(611,099)
January 2019 - actual	1,007,021	(384,000)	(3,835)	159,866	0	(227,969)
_/2 February 2019 - forecast	369,224	(568,087)	(9,516)	(60,194)	0	(637,797)
_/2 March 2019 - forecast	238,021	(166,399)	11,044	24,152	0	(131,203)
_/2 April 2019 - forecast	512,102	119,328	10,394	144,359	0	274,081
_/2 May 2019 - forecast\	821,714	260,656	5,149	43,807	0	309,612
_/2 June 2019 - forecast	$757,057	($26,033)	($2,734)	($35,890)	$0	($64,657)

Year 2018-2019

Cumulative (over) / under recovery - ENVIRONMENTAL	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2018	($616,504)					
March 2018 - actual	(648,397)	($9,388)	($802)	($21,703)	$0	($31,893)
April 2018 - actual	(646,907)	10,886	939	(10,335)	0	1,490
May 2018 - actual	(644,440)	13,284	519	(11,336)	0	2,467
June 2018 - actual	(578,713)	44,416	3,379	17,932	0	65,727
July 2018 - actual	(485,932)	52,174	4,953	35,654	0	92,781
August 2018 - actual	(331,044)	82,556	8,644	63,688	0	154,888
September 2018 - actual	(243,057)	43,796	5,046	39,145	0	87,987
October 2018 - actual	(185,125)	26,868	3,296	27,768	0	57,932
November 2018 - actual	(103,746)	43,556	2,923	34,900	0	81,379
December 2018 - actual	25,412	65,540	9,250	54,368	0	129,158
January 2019 - actual	191,745	90,257	11,403	64,673	0	166,333
_/2 February 2019 - forecast	383,323	101,144	11,454	78,980	0	191,578
_/2 March 2019 - forecast	387,258	(7,592)	971	10,556	0	3,935
_/2 April 2019 - forecast	358,623	(24,804)	(1,314)	(2,517)	0	(28,635)
_/2 May 2019 - forecast\	366,393	(720)	418	8,072	0	7,770
_/2 June 2019 - forecast	$420,263	$24,362	$3,264	$26,244	$0	$53,870

Year 2018-2019

Cumulative (over) / under recovery - DERP AVOIDED COSTS	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2018	$2,713					
March 2018 - actual	7,033	$2,554	$236	$1,530	$0	$4,320
April 2018 - actual	14,508	4,419	408	2,648	0	7,475
May 2018 - actual	21,181	3,945	364	2,364	0	6,673
June 2018 - actual	23,496	1,368	127	820	0	2,315
July 2018 - actual	26,569	755	189	2,129	0	3,073
August 2018 - actual	36,281	3,500	568	5,644	0	9,712
September 2018 - actual	39,362	(348)	203	3,226	0	3,081
October 2018 - actual	32,433	(5,959)	(354)	(616)	0	(6,929)
November 2018 - actual	34,431	(208)	(80)	2,286	0	1,998
December 2018 - actual	30,879	(4,388)	102	734	0	(3,552)
January 2019 - actual	21,463	(7,812)	(399)	(1,205)	0	(9,416)
_/2 February 2019 - forecast	20,445	(3,213)	96	2,099	0	(1,018)
_/2 March 2019 - forecast	20,255	(2,451)	99	2,162	0	(190)
_/2 April 2019 - forecast	21,377	(1,272)	103	2,291	0	1,122
_/2 May 2019 - forecast\	23,066	(619)	87	2,221	0	1,689
_/2 June 2019 - forecast	$23,379	($1,811)	$61	$2,063	$0	$313

Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
January 2019

Line No.			Residential	Commercial	Industrial	Total
Distributed Energy Resource Program component of recovery: incremental costs						
44	Incurred S.C. DERP incremental expense	Input	$168,441	$66,674	$41,436	$276,551
45	Billed S.C. DERP incremental rates by account ($/account)	Input	0.72	1.26	99.55	
46	Billed S.C. DERP incremental revenue	Input	$99,731	$40,725	$27,021	$167,477
47	S.C. DERP incremental (over)/under recovery [See footnote]	L44 - L46	$68,710	$25,949	$14,415	$109,074
48	Adjustment	Input	$33,455	$13,277	$9,863	$56,595
49	Total S.C. DERP incremental (over)/under recovery [See footnote]	L47 + L48	$102,165	$39,226	$24,278	$165,669

Year 2018-2019 Cumulative (over) / under recovery	Cumulative	Total
Balance ending February 2018	($448,552)	
March 2018 - actual	(541,339)	($92,787)
April 2018 - actual	(634,011)	(92,672)
May 2018 - actual	(707,644)	(73,633)
June 2018 - actual	(702,927)	4,717
July 2018 - actual	(661,166)	41,761
August 2018 - actual	(600,348)	60,818
September 2018 - actual	(518,066)	82,282
October 2018 - actual	(452,317)	65,749
November 2018 - actual	(363,223)	89,094
December 2018 - actual	(251,280)	111,943
January 2019 - actual	(85,611)	165,669
_/2 February 2019 - forecast	33,867	119,478
_/2 March 2019 - forecast	169,346	135,479
_/2 April 2019 - forecast	318,059	148,713
_/2 May 2019 - forecast\	473,841	155,782
_/2 June 2019 - forecast	$637,573	$163,732

Notes:

Detail amounts may not recalculate due to percentages presented as rounded.

Presentation of over or under collected amounts reflects a regulatory asset or liability. Over collections, or regulatory liabilities, are shown as negative amounts.
Under collections, or regulatory assets, are shown as positive amounts.

_/1 Total residential billed fuel rate is a composite rate reflecting the approved residential rate of 2.384 and RECD 5% discount.

_/2 Forecast amounts based on low end of range of expected fuel rates.

Description	Weatherspoon CT	Lee CC	Sutton CC/CT	Robinson Nuclear	Asheville Steam	Asheville CT	Roxboro Steam	Mayo Steam
Cost of Fuel Purchased ($)								
Coal	-	-	-	-	$3,951,917	-	$18,238,398	$6,799,609
Oil	-	-	-	5,000	1,182,938	-	910,451	415,452
Gas - CC	-	19,873,307	16,916,851	-	-	-	-	-
Gas - CT	24	-	164,267	-	-	67,787	-	-
Biogas	-	-	-	-	-	-	-	-
Total	24	$19,873,307	$17,081,118	5,000	$5,134,855	$67,787	$19,148,849	$7,215,061
Average Cost of Fuel Purchased (¢/MBTU)								
Coal	-	-	-	-	367.12	-	366.01	351.46
Oil	-	-	-	-	1,430.98	-	1,537.02	1,538.26
Gas - CC	-	532.95	580.50	-	-	-	-	-
Gas - CT	-	-	3,210.85	-	-	3,599.95	-	-
Biogas	-	-	-	-	-	-	-	-
Weighted Average	-	532.95	585.11	-	442.99	3,599.95	379.77	367.80
Cost of Fuel Burned ($)								
Coal	-	-	-	-	$5,566,643	-	$23,376,624	$8,196,400
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	54,465	-	-	-	74,030	1,912,316	937,608	492,070
Gas - CC	-	19,873,307	16,916,851	-	-	-	-	-
Gas - CT	24	-	164,267	-	-	67,787	-	-
Biogas	-	-	-	-	-	-	-	-
Nuclear	-	-	-	3,302,871	-	-	-	-
Total	$54,489	$19,873,307	$17,081,118	$3,302,871	$5,640,673	$1,980,103	$24,314,232	$8,688,470
Average Cost of Fuel Burned (¢/MBTU)								
Coal	-	-	-	-	311.25	-	366.00	334.24
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	1,600.03	-	-	-	1,553.29	1,553.23	1,578.78	1,580.49
Gas - CC	-	532.95	580.50	-	-	-	-	-
Gas - CT	-	-	3,210.85	-	-	3,599.95	-	-
Biogas	-	-	-	-	-	-	-	-
Nuclear	-	-	-	55.67	-	-	-	-
Weighted Average	1,600.73	532.95	585.11	55.67	314.55	1,584.06	377.17	349.87
Average Cost of Generation (¢/kWh)								
Coal	-	-	-	-	4.05	-	3.97	4.48
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	52.88	-	-	-	20.26	21.45	17.05	21.17
Gas - CC	-	3.90	4.16	-	-	-	-	-
Gas - CT	-	-	36.34	-	-	49.67	-	-
Biogas	-	-	-	-	-	-	-	-
Nuclear	-	-	-	0.56	-	-	-	-
Weighted Average	52.90	3.90	4.19	0.56	4.09	21.87	4.09	4.69
Burned MBTU's								
Coal	-	-	-	-	1,788,472	-	6,387,066	2,452,222
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	3,404	-	-	-	4,766	123,119	59,388	31,134
Gas - CC	-	3,728,956	2,914,184	-	-	-	-	-
Gas - CT	-	-	5,116	-	-	1,883	-	-
Biogas	-	-	-	-	-	-	-	-
Nuclear	-	-	-	5,932,698	-	-	-	-
Total	3,404	3,728,956	2,919,300	5,932,698	1,793,238	125,002	6,446,454	2,483,356
Net Generation (mWh)								
Coal	-	-	-	-	137,592	-	588,503	183,099
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	103	-	-	-	365	8,916	5,499	2,325
Gas - CC	-	509,104	406,839	-	-	-	-	-
Gas - CT	-	-	452	-	-	136	-	-
Biogas	-	-	-	-	-	-	-	-
Nuclear	-	-	-	588,734	-	-	-	-
Hydro (Total System)								
Solar (Total System)								
Total	103	509,104	407,291	588,734	137,957	9,052	594,002	185,424
Cost of Reagents Consumed ($)								
Ammonia	-	-	-	-	-	-	164,745	52,026
Limestone	-	-	-	-	189,652	-	738,340	326,903
Re-emission Chemical	-	-	-	-	-	-	-	-
Sorbents	-	-	-	-	11,169	-	265,443	132,515
Urea	-	-	-	-	126,889	-	-	-
Total	-	-	-	-	$327,710	-	$1,168,528	$511,444

Notes:

Detail amounts may not add to totals shown due to rounding.

Schedule excludes in-transit, terminal and tolling agreement activity.

Cents/MBTU and cents/kWh are not computed when costs and/or net generation is negative.

Lee and Wayne oil burn is associated with inventory consumption shown on Schedule 6 for Wayne.

Description	Brunswick Nuclear	Blewett CT	Wayne County CT	Darlington CT	Smith Energy Complex CC/CT	Harris Nuclear	Current Month	Total 12 ME January 2019
Cost of Fuel Purchased ($)								
Coal	-	-	-	-	-	-	$28,989,924	$282,501,328
Oil	1,704	-	-	16,171	-	3,521	2,535,237	17,906,808
Gas - CC	-	-	-	-	27,434,840	-	64,224,998	572,526,150
Gas - CT	-	-	515,913	32,804	4,538,774	-	5,319,569	181,372,772
Biogas	-	-	-	-	85,358	-	85,358	667,542
Total	1,704	-	$515,913	$48,975	$31,973,614	3,521	$101,155,086	$1,054,974,600
Average Cost of Fuel Purchased (¢/MBTU)								
Coal	-	-	-	-	-	-	362.64	335.49
Oil	-	-	-	1,541.56	-	-	1,491.68	1,549.64
Gas - CC	-	-	-	-	482.02	-	520.68	425.49
Gas - CT	-	-	481.02	474.66	495.29	-	512.70	357.51
Biogas	-	-	-	-	2,961.76	-	2,961.76	2,937.61
Weighted Average	-	-	481.02	615.26	484.94	-	469.63	389.76
Cost of Fuel Burned ($)								
Coal	-	-	-	-	-	-	$37,139,667	$298,610,325
Oil - CC	-	-	-	-	349	-	349	2,203
Oil - Steam/CT	-	19,895	5,476	129,613	99,928	-	3,725,401	16,758,199
Gas - CC	-	-	-	-	27,434,840	-	64,224,998	572,526,150
Gas - CT	-	-	515,913	32,804	4,538,774	-	5,319,569	181,372,772
Biogas	-	-	-	-	85,358	-	85,358	667,542
Nuclear	8,675,748	-	-	-	-	4,858,668	16,837,287	183,761,562
Total	$8,675,748	$19,895	$521,389	$162,417	32,159,249.00	$4,858,668	$127,332,629	$1,253,698,753
Average Cost of Fuel Burned (¢/MBTU)								
Coal	-	-	-	-	-	-	349.46	328.54
Oil - CC	-	-	-	-	1,661.90	-	1,661.90	1,656.39
Oil - Steam/CT	-	1,684.59	1,743.95	1,727.02	1,662.70	-	1,573.09	1,590.02
Gas - CC	-	-	-	-	482.02	-	520.68	425.49
Gas - CT	-	-	481.02	474.66	495.29	-	512.70	357.51
Biogas	-	-	-	-	2,961.76	-	2,961.76	2,937.61
Nuclear	60.86	-	-	-	-	64.95	60.85	63.31
Weighted Average	60.86	1,684.59	484.71	1,126.64	486.02	64.95	245.30	220.91
Average Cost of Generation (¢/kWh)								
Coal	-	-	-	-	-	-	4.08	3.70
Oil - CC	-	-	-	-	17.45	-	17.45	20.03
Oil - Steam/CT	-	124.34	20.24	52.78	19.00	-	20.67	22.12
Gas - CC	-	-	-	-	3.60	-	3.83	2.98
Gas - CT	-	-	5.73	16.62	4.31	-	4.62	4.30
Biogas	-	-	-	-	19.62	-	19.62	20.70
Nuclear	0.64	-	-	-	-	0.65	0.62	0.66
Weighted Average	0.64	124.34	5.77	36.66	3.70	0.65	2.31	2.08
Burned MBTU's								
Coal	-	-	-	-	-	-	10,627,760	90,889,005
Oil - CC	-	-	-	-	21	-	21	133
Oil - Steam/CT	-	1,181	314	7,505	6,010	-	236,821	1,053,962
Gas - CC	-	-	-	-	5,691,604	-	12,334,744	134,558,003
Gas - CT	-	-	107,253	6,911	916,393	-	1,037,556	50,732,828
Biogas	-	-	-	-	2,882	-	2,882	22,724
Nuclear	14,255,114	-	-	-	-	7,480,998	27,668,810	290,262,553
Total	14,255,114	1,181	107,567	14,416	6,616,910	7,480,998	51,908,594	567,519,208
Net Generation (mWh)								
Coal	-	-	-	-	-	-	909,194	8,072,266
Oil - CC	-	-	-	-	2	-	2	11
Oil - Steam/CT	-	16	27	246	526	-	18,023	75,772
Gas - CC	-	-	-	-	762,445	-	1,678,388	19,223,957
Gas - CT	-	-	9,007	197	105,300	-	115,093	4,222,814
Biogas	-	-	-	-	435	-	435	3,224
Nuclear	1,361,320	-	-	-	-	744,045	2,694,099	27,649,727
Hydro (Total System)							90,386	844,823
Solar (Total System)							14,248	231,728
Total	1,361,320	16	9,034	443	868,708	744,045	5,519,868	60,324,322
Cost of Reagents Consumed ($)								
Ammonia	-	-	-	-	$20,557	-	$237,328	$1,709,842
Limestone	-	-	-	-	-	-	1,254,894	10,964,644
Re-emission Chemical	-	-	-	-	-	-	-	170,839
Sorbents	-	-	-	-	-	-	409,127	2,994,084
Urea	-	-	-	-	-	-	126,889	1,118,433
Total	-	-	-	-	$20,557	-	$2,028,239	$16,957,841

Duke Energy Progress | **Schedule 6**
Fuel & Fuel-related Consumption and Inventory Report | **Page 1 of 3**
January 2019

Description	Weatherspoon	Lee	Sutton	Robinson	Asheville
Coal Data:					
Beginning balance	-	-	-	-	96,689
Tons received during period	-	-	-	-	43,859
Inventory adjustments	-	-	-	-	-
Tons burned during period	-	-	-	-	73,220
Ending balance	-	-	-	-	67,328
MBTUs per ton burned	-	-	-	-	24.43
Cost of ending inventory ($/ton)	-	-	-	-	76.03
Oil Data:					
Beginning balance	669,335	-	2,623,651	78,040	3,037,655
Gallons received during period	-	-	-	-	599,030
Miscellaneous use and adjustments	-	-	-	-	(5,789)
Gallons burned during period	24,318	-	-	-	930,335
Ending balance	645,017	-	2,623,651	78,040	2,700,561
Cost of ending inventory ($/gal)	2.24	-	2.80	2.42	2.14
Natural Gas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	3,614,415	2,848,627	-	1,834
MCF burned during period	-	3,614,415	2,848,627	-	1,834
Ending balance	-	-	-	-	-
Biogas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	-	-	-	-
MCF burned during period	-	-	-	-	-
Ending balance	-	-	-	-	-
Limestone/Lime Data:					
Beginning balance	-	-	-	-	10,394
Tons received during period	-	-	-	-	7,784
Inventory adjustments	-	-	-	-	-
Tons consumed during period	-	-	-	-	3,437
Ending balance	-	-	-	-	14,741
Cost of ending inventory ($/ton)	-	-	-	-	53.29

Notes:
Detail amounts may not add to totals shown due to rounding.
Schedule excludes in-transit, terminal and tolling agreement activity.
Gas is burned as received; therefore, inventory balances are not maintained.
The oil inventory data for Wayne reflects the common usage of the oil tank used for both Wayne and Lee units.

Description	Roxboro	Mayo	Brunswick	Blewett	Wayne County
Coal Data:					
Beginning balance	809,040	193,957	-	-	-
Tons received during period	199,130	75,663	-	-	-
Inventory adjustments	-	-	-	-	-
Tons burned during period	252,996	96,155	-	-	-
Ending balance	755,174	173,465	-	-	-
MBTUs per ton burned	25.25	25.50	-	-	-
Cost of ending inventory ($/ton)	92.39	85.24	-	-	-
Oil Data:					
Beginning balance	210,090	264,948	170,530	807,190	12,017,886
Gallons received during period	429,237	195,709	-	-	-
Miscellaneous use and adjustments	(7,521)	(2,421)	-	-	-
Gallons burned during period	431,721	225,677	5,180	8,408	2,281
Ending balance	200,085	232,559	165,350	798,782	12,015,605
Cost of ending inventory ($/gal)	2.17	2.18	2.42	2.37	2.40
Natural Gas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	-	-	-	104,030
MCF burned during period	-	-	-	-	104,030
Ending balance	-	-	-	-	-
Biogas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	-	-	-	-
MCF burned during period	-	-	-	-	-
Ending balance	-	-	-	-	-
Limestone/Lime Data:					
Beginning balance	81,513	8,535	-	-	-
Tons received during period	(3,077)	10,158	-	-	-
Inventory adjustments	-	-	-	-	-
Tons consumed during period	17,057	5,983	-	-	-
Ending balance	61,379	12,710	-	-	-
Cost of ending inventory ($/ton)	41.53	54.26	-	-	-

Duke Energy Progress
Fuel & Fuel-related Consumption and Inventory Report
January 2019

Description	Darlington	Smith Energy Complex	Harris	Current Month	Total 12 ME January 2019
Coal Data:					
Beginning balance	-	-	-	1,099,686	1,314,556
Tons received during period	-	-	-	318,652	3,342,327
Inventory adjustments	-	-	-	-	(53,917)
Tons burned during period	-	-	-	422,371	3,606,999
Ending balance	-	-	-	995,967	995,967
MBTUs per ton burned	-	-	-	25.16	25.20
Cost of ending inventory ($/ton)	-	-	-	90.04	90.04
Oil Data:					
Beginning balance	10,473,734	8,318,732	292,025	38,963,816	38,154,538
Gallons received during period	7,604	-	-	1,231,580	8,373,486
Miscellaneous use and adjustments	-	-	-	(15,731)	(186,341)
Gallons burned during period	54,165	43,080	-	1,725,165	7,887,183
Ending balance	10,427,173	8,275,652	292,025	38,454,500	38,454,500
Cost of ending inventory ($/gal)	2.39	2.33	2.42	2.39	2.39
Natural Gas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	6,767	6,446,830	-	13,022,503	180,265,805
MCF burned during period	6,767	6,446,830	-	13,022,503	180,265,805
Ending balance	-	-	-	-	-
Biogas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	2,814	-	2,814	22,157
MCF burned during period	-	2,814	-	2,814	22,157
Ending balance	-	-	-	-	-
Limestone/Lime Data:					
Beginning balance	-	-	-	100,442	121,947
Tons received during period	-	-	-	14,865	209,364
Inventory adjustments	-	-	-	-	(3,989)
Tons consumed during period	-	-	-	26,477	238,492
Ending balance	-	-	-	88,830	88,830
Cost of ending inventory ($/ton)	-	-	-	45.30	45.30

Schedule 7

DUKE ENERGY PROGRESS

ANALYSIS OF COAL PURCHASED

JANUARY 2019

STATION	TYPE	QUANTITY OF TONS DELIVERED	DELIVERED COST	DELIVERED COST PER TON
ASHEVILLE	SPOT	32,274	$ 2,916,501	$ 90.37
	CONTRACT	11,585	937,844	80.95
	ADJUSTMENTS	-	97,572	-
	TOTAL	43,859	3,951,917	90.11
MAYO	SPOT	25,412	2,319,233	91.27
	CONTRACT	50,251	4,351,042	86.59
	ADJUSTMENTS	-	129,334	-
	TOTAL	75,663	6,799,609	89.87
ROXBORO	SPOT	112,876	10,367,597	91.85
	CONTRACT	86,254	7,244,992	84.00
	ADJUSTMENTS	-	625,809	-
	TOTAL	199,130	18,238,398	91.59
ALL PLANTS	SPOT	170,562	15,603,331	91.48
	CONTRACT	148,090	12,533,878	84.64
	ADJUSTMENTS	-	852,715	-
	TOTAL	318,652	$ 28,989,924	$ 90.98

Schedule 8

DUKE ENERGY PROGRESS

ANALYSIS OF COAL QUALITY RECEIVED

JANUARY 2019

STATION	PERCENT MOISTURE	PERCENT ASH	HEAT VALUE	PERCENT SULFUR
ASHEVILLE	7.10	11.70	12,272	1.11
MAYO	6.14	9.71	12,785	2.23
ROXBORO	6.61	10.28	12,512	1.83

DUKE ENERGY PROGRESS

ANALYSIS OF OIL PURCHASED

JANUARY 2019

	ASHEVILLE	DARLINGTON	MAYO	ROXBORO
VENDOR	Indigo	Indigo	Greensboro Tank Farm	Greensboro Tank Farm
SPOT/CONTRACT	Contract	Contract	Contract	Contract
SULFUR CONTENT %	0	0	0	0
GALLONS RECEIVED	599,030	7,604	195,709	429,237
TOTAL DELIVERED COST	$ 1,182,938	$ 16,171	$ 415,452	$ 910,451
DELIVERED COST/GALLON	$ 1.97	$ 2.13	$ 2.12	$ 2.12
BTU/GALLON	138,000	138,000	138,000	138,000

Notes:

Price adjustments of $1,704, $3,521 and $5,000 for the Brunswick, Harris and Robinson stations, respectively, are excluded.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
February, 2018 - January, 2019
Nuclear Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Brunswick 1	7,133,333	938	86.81	89.00
Brunswick 2	7,508,080	932	91.96	94.99
Harris 1	7,738,571	935	94.51	90.44
Robinson 2	5,269,743	741	81.18	78.71

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
February, 2018 through January, 2019
Combined Cycle Units

Unit Name		Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Lee Energy Complex	1A	1,400,735	225	71.07	80.19
Lee Energy Complex	1B	1,409,471	227	70.88	79.56
Lee Energy Complex	1C	1,427,154	228	71.45	79.30
Lee Energy Complex	ST1	2,797,920	379	84.27	91.78
Lee Energy Complex	Block Total	7,035,280	1,059	75.84	84.01
Richmond County CC	7	1,247,297	189	75.17	83.25
Richmond County CC	8	1,227,174	189	73.95	82.57
Richmond County CC	ST4	1,389,505	176	90.33	91.33
Richmond County CC	9	1,470,440	216	77.71	83.38
Richmond County CC	10	1,481,192	216	78.28	83.71
Richmond County CC	ST5	1,921,437	248	88.44	94.15
Richmond County CC	Block Total	8,737,045	1,234	80.80	86.59
Sutton Energy Complex	1A	1,129,503	224	57.56	71.58
Sutton Energy Complex	1B	1,101,919	224	56.16	67.19
Sutton Energy Complex	ST1	1,223,446	271	51.54	64.12
Sutton Energy Complex	Block Total	3,454,868	719	54.85	67.40

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
February, 2018 through January, 2019

Intermediate Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Mayo 1	1,384,008	746	21.18	68.19
Roxboro 2	1,732,683	673	29.39	76.21
Roxboro 3	1,423,741	698	23.28	63.18
Roxboro 4	1,656,208	711	26.59	54.94

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
February, 2018 through January, 2019
Other Cycling Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Operating Availability (%)
Asheville 1	642,080	192	38.18	91.69
Asheville 2	543,075	192	32.29	95.49
Roxboro 1	743,330	380	22.33	88.95

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
February, 2018 through January, 2019
Combustion Turbine Stations

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Asheville CT	465,258	370	77.60
Blewett CT	-117	68	95.49
Darlington CT	154,588	839	78.06
Richmond County CT	3,051,940	934	85.85
Sutton Fast Start CT	203,160	98	87.98
Wayne County CT	370,418	963	96.04
Weatherspoon CT	478	164	93.82

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data

Twelve Month Summary
February, 2018 through January, 2019
Hydroelectric Stations

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Blewett	80,306	27.0	61.34
Marshall	115	4.0	5.01
Tillery	268,868	84.0	91.52
Walters	495,534	113.0	86.60

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.